

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
21 April 2005 (21.04.2005)

PCT

(10) International Publication Number
WO 2005/036015 A1

(51) International Patent Classification⁷: **F16F 1/54, B63H 21/30**, [GB/GB]; Trelleborg Industrial AVS, 1 Hoods Close, Leicester LE4 2BN (GB).

(21) International Application Number: **PCT/GB2004/004249**, (74) Agents: **HACKETT, Sean, James et al.; Marks & Clerk, Alpha Tower, Suffolk Street Queensway, Birmingham B1 1TT (GB).**

(22) International Filing Date: 7 October 2004 (07.10.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0323611.4 9 October 2003 (09.10.2003) GB

(71) Applicant (for all designated States except US): **TRELLEBORG AB (PUBL) [SE/SE]; P O Box 153, S-231 22 Trelleborg (SE).**

(72) Inventor; and

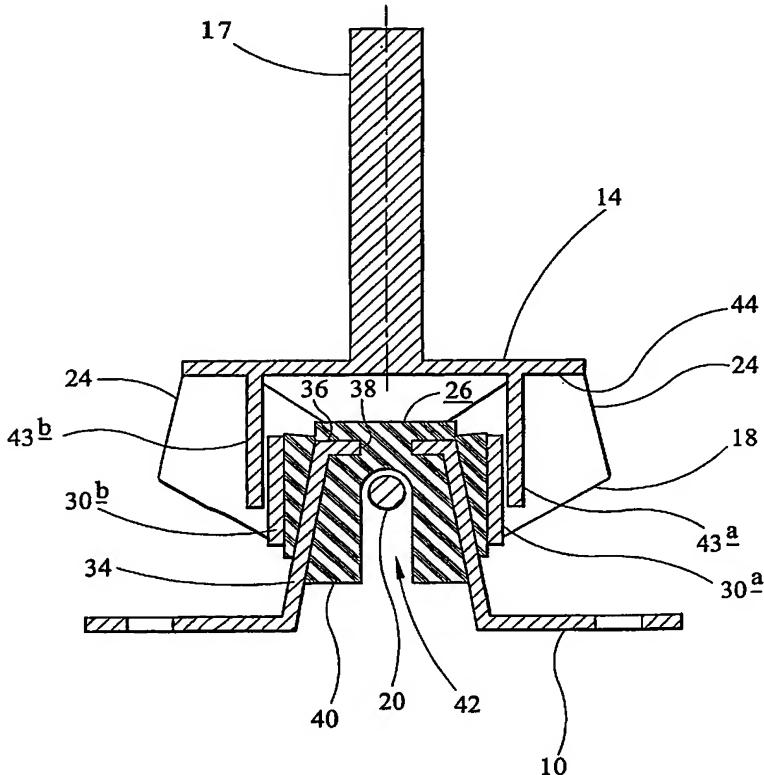
(75) Inventor/Applicant (for US only): **COOK, Paul**

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,

[Continued on next page]

(54) Title: VIBRATION MOUNTING



(57) Abstract: A vibration mounting comprises a base member (10) for mounting to a mounting location and a support member (14) for supporting a load. The support member is spaced apart from the base member in a load-bearing direction by a vibration-isolating element (18) of a resilient material. The vibration mounting has a centre-line in the load-bearing direction. The vibration-isolating element comprises a plurality of lobes (24) on each side of a plane passing through the centre-line. Each lobe (24) extends from the base member (10) towards the support member (14) and also extends in a lateral direction different from that of other lobes. Each lobe (24) has an upper surface engaging the support member and at least one free surface.

WO 2005/036015 A1



ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.